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1724

Attorney's Docket No. 3576-010027

AMENDMENT TRANSMITTAL LETTER

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

NOV 25 2003

TC 1700

Serial No.: 09/777,603

Examiner: Ivars C. Cintins

Invention: "pH Stable Activated Carbon"

Filing Date: February 6, 2001

Group Art Unit: 1724

Transmitted herewith is an Amendment and Declaration Under 37 C.F.R. § 1.132 in the above-identified application.

- ☒ Small Entity Status is/has been asserted for this application under 37 CFR 1.27.
A verified statement to establish small entity status under 37 CFR 1.27 is enclosed.
☒ No additional fee is required.
The fee has been calculated as shown below:

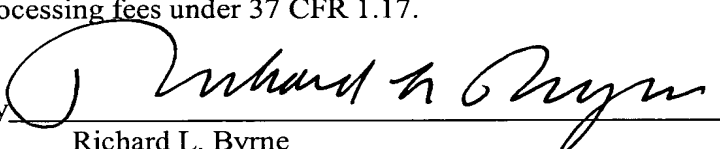
	No of Claims After Amendment	Highest No. Previously Paid For	Present Extra	Small Entity Rate	Non-Small Entity Rate	Charge
Total	12	31	0	x \$ 9.00	x \$ 18.00	\$ 0.00
Indep.	2	4	0	x \$ 43.00	x \$ 86.00	\$ 0.00
First Presentation of Multiple Dependent Claim/s				+ \$145.00	+ \$290.00	\$ 0.00
				TOTAL ADDITIONAL FEE		\$ 0.00

- ☐ A check in the amount of \$ _____ is enclosed to cover the extra claims fee.
☐ A check in the amount of \$ _____ is enclosed for a _____ month Petition for Extension of Time.
☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650. An original and two copies of this sheet are enclosed.
☒ Any additional filing fees required under 37 CFR 1.16.
☒ Any patent application processing fees under 37 CFR 1.17.

November 17, 2003

Date

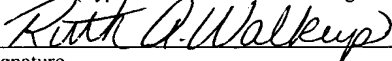
By


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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 17, 2003.

Ruth A. Walkup

(Typed Name of Person Mailing Correspondence)



11/17/2003
Date



MATERIAL SAFETY DATA SHEET

SECTION 1

ENVIROTROL, INC.
P.O. BOX 61
SEWICKLEY, PA 15143

EMERGENCY PHONE: (724) 827-8181

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CHEMICAL NAME: Carbon CAS REGISTRY NO.: 7440-44-0
Citric Acid CAS REGISTRY NO: 5949-29-1

TRADE NAME: EI-30 (F), EI-30R, and EI-30 ONE NoRise™ and EI-40 (F), EI-40R, and EI-40 ONE NoRise™ Activated Carbon

FORMULA: C
C₆H₈O₇

COMMON NAME: Carbon
Citric Acid

SECTION 2

INGREDIENTS: (Typical Values)

Carbon-----85-100%
Inert Ingredients-----0- 15%

SECTION 3 - PHYSICAL AND CHEMICAL DATA

- o Boiling point: 8721° F, 4827° C (approx.)
- o Vapor pressure: N/A
- o Vapor density: N/A
- o Solubility in water: Insoluble
- o Specific gravity (H₂O = 1): .2 - .75
- o Percent, volatile by volume: N/A
- o Evaporation rate: N/A
- o Appearance: Black, odorless; granular, pelletized, powder

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

- o Flash point: N/A
- o Ignition point: 500-800° F
- o Extinguishing media: Dry chemical, water fog, foam
- o Special fire fighting procedures: Wear positive pressure self-contained breathing apparatus if fire occurs in enclosed space. Oxygen starved fires may result in the release of carbon monoxide.
- o Unusual fires and explosion hazards: Avoid producing suspensions of dust during handling, and avoid exposure of suspensions to sources of ignition. Suspensions of -40 mesh powdered activated carbon may explode if exposed to strong sources of ignition.

SECTION 5 - HEALTH HAZARD DATA

- o Eye: Carbon particles may cause physical irritation if not removed.
- o Skin contact: Constant prolonged exposure may cause dryness or chapping of exposed area.
- o Skin adsorption: Not adsorbed by skin.
- o Ingestion: No adverse affect unless quantity ingested causes physical discomfort.
- o Inhalation: No toxic affect caused by dust. As with any dust, excessive exposure should be avoided. OSHA "nuisance dust" limitations should be observed.
- o Systemic and other effects: None
- o Eyes: Irrigate with water immediately. Repeat as needed to flush particle from eye. If irritation persists, consult medical personnel.
- o Skin: Wash with soap and water to avoid skin drying or chapping.
- o Ingestion: N/A
- o Inhalation: N/A

SECTION 6 - REACTIVITY DATA COMPATABILITY DATA

- o Stability: Avoid contact with strong oxidizing chemicals, such as ozone, perchloric acid, permanganate, sodium chlorite, etc. Exposure to hydrocarbons and vegetable oils may cause slow oxidation until ignition point is reached. --Contact should be avoided.
- o Incompatibility: Strong oxidizing materials.
- o Hazardous decomposition products: Oxygen starved combustion may yield carbon monoxide.
- o Hazardous polymerization: Will not occur.

SECTION 7 - STORAGE HANDLING AND USE

- o Action to take for spills: Shovel and sweep material into appropriate container. If necessary wash area with water.
- o Disposal method: Reactivation, landfill or incineration, in accordance with applicable regulations.

SECTION 8 - PERSONNEL PROTECTION

- o Ventilation: Local exhaust recommended to minimize dust exposure.
- o Respiratory protection: Approved "nuisance dust" dust masks should be worn in dust exposure areas.
- o Protective clothing: Protective gloves can be worn.
- o Eye protection: Safety glasses with side shields should be worn and eye wash capabilities should be available.

SECTION 9 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions to be taken in handling and storage: Keep dry; wet carbon will adsorb oxygen and may reduce oxygen levels in confined spaces to dangerous levels. Adequate ventilation and precautions should be employed whenever closed tanks, receptacles or other enclosed spaces containing carbon are accessed. Suspensions of dust should be avoided and exposure of suspensions of dust to sources of ignition should be avoided.